

## **LIQUID DISPENSING AND RECIRCULATING SYSTEM WITH SENSOR**

### **ABSTRACT OF THE DISCLOSURE**

A liquid dispensing and recirculating system is disclosed. The system includes a container having a mouth and a cap coupled with the mouth. The system further includes a connector for coupling with the cap. The connector includes a connector head and a probe extending from the connector head. The probe is insertable through the cap and into the mouth, and has a flow passage therein which terminates near a probe tip. A pump pumps fluid in the container through the probe and the flow passage. A fluid return channel is formed on the probe for returning recirculated fluid to the fluid in the container. As fluid is returned along the fluid return channel, air in the fluid is released above the fluid in the container to prevent injection of air into the fluid in the container.